

### REMARKS

As stated above, Applicants appreciate the Examiner's thorough examination of the subject application and request reexamination and reconsideration of the subject application in view of the preceding amendments and the following remarks. Applicants have carefully reviewed and considered the Office Action mailed on July 10, 2006, and the references cited therewith. Reconsideration and allowance of the subject application, as amended, is respectfully requested.

#### Claim Amendments

Independent claims 1, 6, 16 and 19 have been amended, generally, to recite a controller configured to provide a first and a second control signal to a first and a second pair of switches, respectively, wherein the first and second control signals simultaneously control the first and second pairs of switches over an entire cycle of the power converter. Independent claim 13 has also been amended, generally, to recite that that third and fourth control signals simultaneously control their respective switches over an entire operating cycle. Support for these amendments may be found, for example, in FIG. 3 as well as paragraphs [0015]-[0022]. Accordingly, Applicants submit that no new matter has been added.

As a result of the present amendments, claims 1-10 and 13-23 are pending.

#### Claim Rejection – 35 U.S.C. § 102(e)

Claims 1-10 and 13-23 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Wei et al. (U.S. Patent Application Publication No. 2004/0100805; hereinafter Wei).

In the RESPONSE TO ARGUMENTS section of the present Office Action, the Examiner states, *inter alia*, “[f]inally [and most significantly], applicant’s claim language/invention is directed towards the actual *power converter circuit*, which has been fully met by Wei (i.e., Wei’s circuit is fully capable of being operated with 4 signals given the proper controller and fine tuning for resonance effects). Applicant’s claim language and invention are NOT directed towards a *controller* for a power converter circuit.” The Examiner further states, *inter alia*, “Wei discloses that these switches are switched simultaneously during a *portion of 1*

*full cycle*, as opposed to the *entire cycle* [see Fig. 3, comparing the signals of Q2 to Q5 and Q3 to Q6], as applicant's invention discloses." (*All original.*)

Applicants have amended independent claims 1, 6, 16 and 19 to recite, generally, a controller configured to provide a first and a second control signal to a first and a second pair of switches, respectively, wherein the first and second control signals simultaneously control the first and second pairs of switches over an entire cycle of the power converter and have amended independent claim 13 to recite, generally, that the third and fourth control signals simultaneously control their respective switches over an entire operating cycle. In view of the Examiner's remarks discussed above (and without expressly or implicitly concurring with the Examiner's interpretation of Wei or the present invention as previously claimed), Applicants respectfully submit that Wei does not disclose or suggest all of the limitations of amended independent claims 1, 6, 13, 16, and 19. Accordingly, Applicants respectfully submit that all pending claims may now be allowed.

Having dealt with all the issues raised by the Examiner, it is respectfully submitted that the present application, as amended, is in condition for allowance. Thus, early allowance is earnestly solicited.

If the Examiner desires personal contact for further disposition of this case, the Examiner is invited to call the undersigned Attorney at 603.668.6560.

In the event there are any fees due, please charge them to our Deposit Account No. 50-2121.

Respectfully submitted,

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